

## CLAIMS

1. A program creating system comprising:

an accepting unit which accepts an input of a parameter to create

5 a program to realize a predetermined process;

a producing unit which dynamically produces a source code of  
said program on the basis of said parameter;

a compiling unit which compiles said source code to create a  
program which can be executed by a predetermined terminal device;

10 and

an instructing unit which detects that said source code is produced  
to instruct said compiling unit to compile the source code.

2. The program creating system as set forth in claim 1, further

15 comprising

a checking unit which checks whether or not the data size of  
said program is smaller than a predetermined size to make it possible  
to provide said program to said terminal device when the data size  
of said program is smaller than a predetermined size.

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3. The program creating system as set forth in claim 2, further  
comprising

a notifying unit which performs notification to urge reduction  
of the number of said parameters when the data size of said program  
25 is larger than said predetermined size.

4. The program creating system as set forth in claim 2,  
wherein said predetermined size is set for each terminal device  
which uses said program.

5 5. The program creating system as set forth in claim 2, further  
comprising:

a storing unit which stores a program checked by said checking  
unit; and

10 a providing unit which provides the program stored in said storing  
unit to said terminal device,

wherein said checking unit stores, when the data size of the  
program created by said producing unit is smaller than the predetermined  
size, the program in said storing unit.

15 6. The program creating system as set forth in claim 2, further  
comprising

a limiting unit which limits the number of said parameters such  
that the data size of said program becomes smaller than said  
predetermined size.

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7. The program creating system as set forth in claim 6,  
wherein said producing unit produces said source code including  
a program code to form a component serving as an input interface  
on the basis of said parameters,

25 the parameters are grouped for each component, and  
said limiting unit limits the number of said parameters in units

of groups.

8. The program creating system as set forth in claim 6,  
wherein said limiting unit predicts the data size of a program  
5 to be created depending on the parameters accepted by said accepting  
unit to determine whether or not the number of said parameters must  
be reduced.

9. The program creating system as set forth in claim 8,  
10 wherein when the data size of said predicted program is larger  
than said predetermined size, said limiting unit determines that  
the number of said parameters must be reduced.

10. The program creating system as set forth in claim 6,  
15 wherein said limiting unit compares the number of parameters  
accepted by said accepting unit with a predetermined number to determine  
whether or not the number of said parameters must be reduced.

11. The program creating system as set forth in claim 10,  
20 wherein when the number of parameters accepted by said accepting  
unit is larger than said predetermined number, said limiting unit  
determines that the number of said parameters must be reduced.

12. The program creating system as set forth in claim 8,  
25 wherein when the number of said parameters must be reduced,  
said limiting unit instructs said notifying unit to perform said

notification.

13. The program creating system as set forth in claim 1,  
wherein said parameters include information which designates  
5 whether or not a predetermined function of said terminal device is  
used, and

said producing unit produces a source code including a program  
code to use said predetermined function being designated.

10 14. The program creating system as set forth in claim 13,  
wherein when said parameters include information which  
designates that a position information acquiring function of said  
terminal device is used, said producing unit produces said source  
code including a program code to use said position information acquiring  
15 function.

15. The program creating system as set forth in claim 13,  
wherein when said parameters include information which  
designates that a photographing function of said terminal device  
20 is used, said producing unit produces said source code including  
a program code to use said photographing function.

16. The program creating system as set forth in claim 1, further  
comprising  
25 a display process unit which displays an input screen of said  
parameter on a display unit,

wherein said accepting unit accepts a parameter input through said input screen.

17. The program creating system as set forth in claim 16,

5        wherein said program causes said terminal device to realize a function that forms an input interface to input research data for a predetermined research content and transmits the research data input through said input interface to a collecting device through a network, and

10        the input screen is formed to accept a plurality of research items as said research content and options for an answer to the research items.

18. The program creating system as set forth in claim 17,

15        wherein said accepting unit accepts parameters grouped for each of said research items, and when said limiting unit determines that the number of said parameters must be reduced, said notifying unit performs notification to urge reduction of the number of said research items.

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19. A program creating system comprising:

      a first storing unit which holds a first program code that can be universally used;

25        a second storing unit which holds a second program code constituted by combining said first program code to create a predetermined program;

      an accepting unit which accepts parameters required to create

said program;  
a producing unit which produces a source code of said program by rewriting a part of said second program code on the basis of the accepted parameters;  
5 a compiling unit which compiles said source code to create a program which can be executed by a predetermined terminal device; and  
an instructing unit which detects that said source code is produced to instruct said compiling unit to compile the source code.

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20. The program creating system as set forth in claim 19, further comprising

a checking unit which checks that the data size of said program is smaller than a predetermined size and which makes it possible  
15. to provide the program to said terminal device when the data size of said program is smaller than the predetermined size.

21. The program creating system as set forth in claim 19,  
wherein said program forms an input interface to input research  
20 data for a predetermined research content to realize a function that transmits the research data input through said input interface to a server through a network, and  
said second program code includes a program code to form said input interface.

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22. The program creating system as set forth in claim 21,

wherein said research content includes a plurality of research items,

said parameters include said character information for each research item, and

5       said producing unit loads said second program code from said second storing unit for each research item, incorporates said second program code in said source code, and replaces a part of the program code of the incorporated second program code with the character information included in said parameters.

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23. A program creating program causing a computer to realize:

an accepting unit which accepts an input of a parameter to create a program to realize a predetermined process;

15      a producing unit which dynamically produces a source code of said program on the basis of said parameter;

a compiling unit which compiles said source code to create a program which can be executed by a predetermined terminal device; and

20      an instructing unit which detects that said source code is produced to instruct said compiling unit to compile the source code.

24. The program creating program as set forth in claim 23, further causing a computer to realize

25      a checking unit which checks that the data size of said program is smaller than a predetermined size to make it possible to provide the program when the data size of said program is smaller than a

predetermined size.

25. The program creating program as set forth in claim 24, further causing a computer to realize

5           a notifying unit which performs notification to urge reduction of the number of said parameters when the data size of said program is larger than a predetermined size.

26. The program creating program as set forth in claim 24,

10           wherein said predetermined size is set for each terminal device.

27. A program creating module causing a computer to realize:

an accepting unit which accepts an input of a parameter to create a program to realize a predetermined process;

15           a producing unit which dynamically produces a source code of said program on the basis of said parameter;

              a compiling unit which compiles said source code to create a program which can be executed by a predetermined terminal device; and

20           an instructing unit which detects that said source code is produced to instruct said compiling unit to compile the source code.

28. The program creating module as set forth in claim 27, further causing a computer to realize

25           a checking unit which checks that the data size of said program is smaller than a predetermined size to make it possible to provide

the program when the data size of said program is smaller than a predetermined size.

29. The program creating module as set forth in claim 28, further  
5 causing a computer to realize

a notifying unit which performs notification to urge reduction of the number of said parameters when the data size of said program is larger than a predetermined size.

10 30. The program creating module as set forth in claim 28,  
wherein said predetermined size is set for each terminal device.